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PREPARATION OF A HYPOCHOLESTEROLEMIC

(70)

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No. OF CLAIMS 10 - No drawing

A B S T R A C T

A method for the preparation of 2-acetamidoethyl (3-trifluoromethylphenoxy) (4-chlorophenyl) acetate which comprises treating 2-acetamidoethyl (4-chlorophenyl)-haloacetate with 3-trifluoromethylphenol or with a salt of 3-trifluoromethylphenol. The 2-acetamidoethyl (3-trifluoromethylphenoxy) (4-chlorophenyl)-acetate thus obtained is a hypocholesterolemic and hypolipemic agent which effectively reduces the concentration of cholesterol, triglycerides and other lipids in blood serum.

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The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A method for the preparation of 2-acetamidoethyl-(3-trifluoromethylphenoxy)(4-chlorophenyl)acetate which comprises treating 2-acetamidoethyl(4-chlorophenyl)haloacetate with 3-trifluoromethylphenol in the presence of a base or with a salt of 3-trifluoromethylphenol.
2. The method according to Claim 1 wherein 2-acetamidoethyl(4-chlorophenyl)bromoacetate is treated with 3-trifluoromethylphenol in the presence of a base.
3. The method according to Claim 2 wherein the base is derived from an alkali metal or alkaline earth metal.
4. The method according to Claim 3 wherein the base is an alkali metal alkoxide, alkali metal carbonate, alkali metal hydroxide or alkali metal bicarbonate.
5. The method according to Claim 1 wherein 2-acetamidoethyl(4-chlorophenyl)haloacetate is treated with 3-trifluoromethylphenol in a hydrocarbon solvent and in the presence of a base selected from alkali metal alkoxide or alkali metal carbonate, at a temperature of from about 40°C. up to the reflux temperature of the reaction mixture.
6. The method according to Claim 5 wherein the base is sodium carbonate.
7. The method according to Claim 5 wherein the hydrocarbon solvent is benzene.
8. The method according to Claim 5 wherein the temperature employed is the reflux temperature of the reaction mixture.

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9. The method according to Claim 1 wherein 2-acetamidoethyl(4-chlorophenyl)bromoacetate is treated with a salt of 3-trifluoromethylphenol.

10. The method according to Claim 9 wherein the salt of 3-trifluoromethylphenol is an alkali metal or alkaline earth metal salt.

